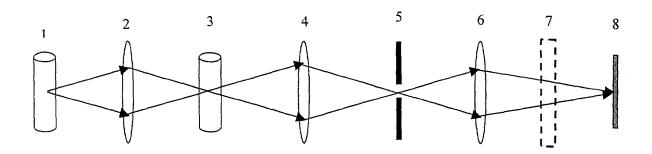
## Fig.1

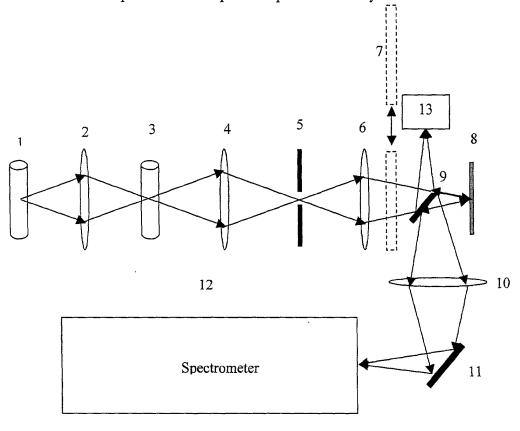
Preferred embodiment of the COILS illuminator



- 1. Lamp #1
- 2. First optical system which forms a first image of Lamp 1 at a first focal position
- 3. Lamp #2 located at the first focal position
- 4. Second optical system which forms a second image of Lamp # 2 at a second focal position and relays the first image of Lamp # 1 from the first focal position to the second focal position
- 5. Aperture stop
- 6. Third optical system for focusing the radiation transmitted by the aperture stop
- 7. Polarizing optics
- 8. Sample

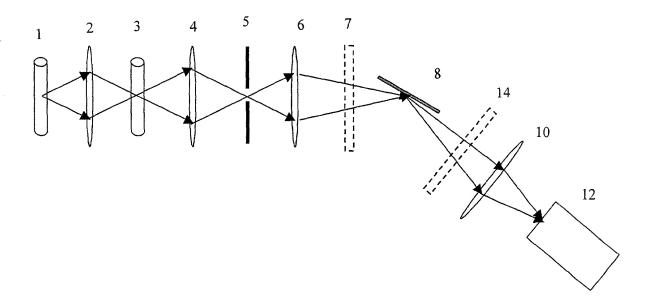
## Fig. 2

Illustration demonstrating use of the COILS illuminator in a spectroscopic reflectometer: beam-splitter (9) is used to permit illumination at normal incidence, polarizing optics (7) is inserted when polarized beam spectroscopic reflectometry measurements are made



<u>Fig. 3</u>

COILS illuminator configured for a spectroscopic ellipsometer



derevinse lengt

<u>Fig. 4</u>

